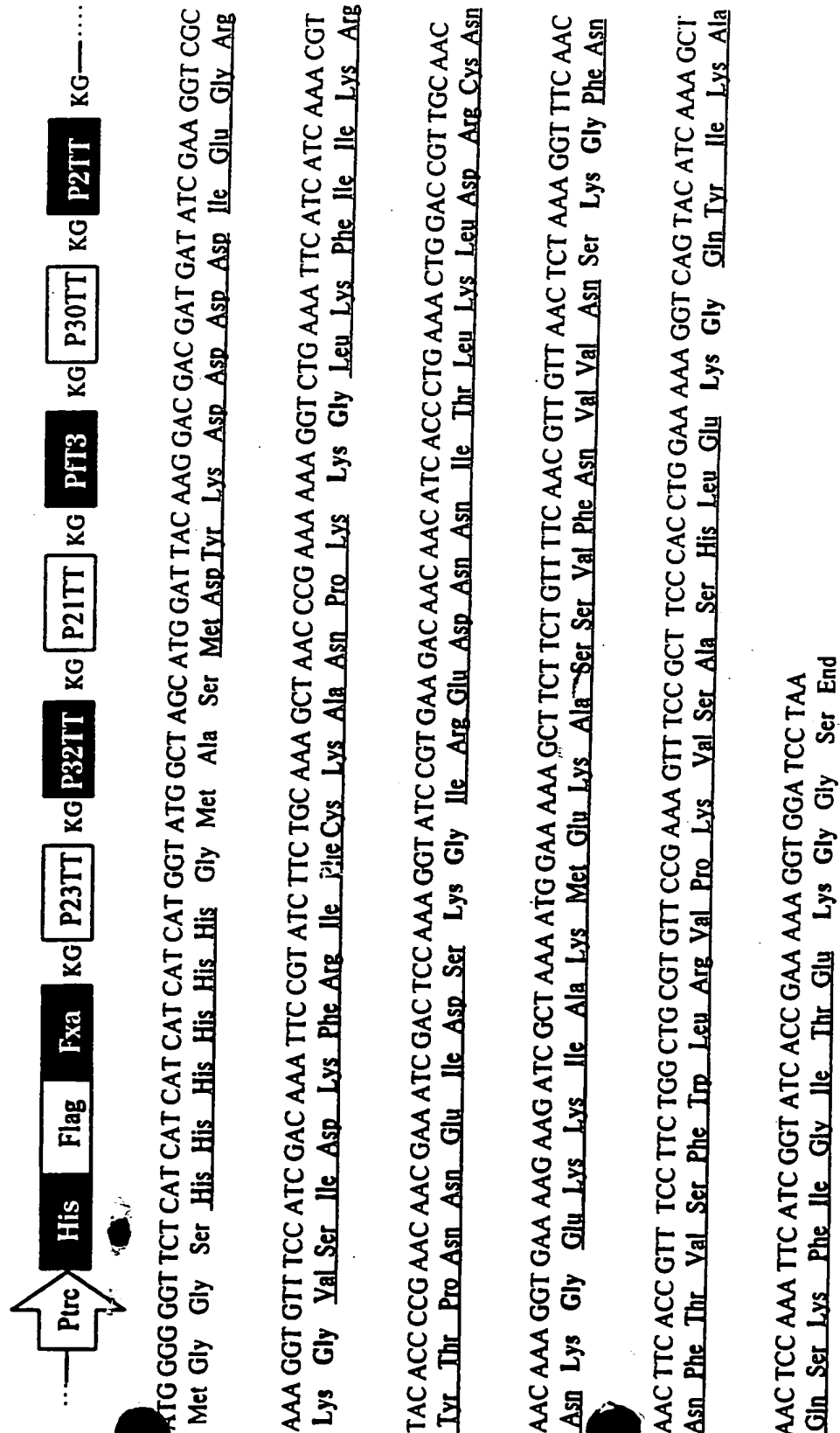


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FIG. 2

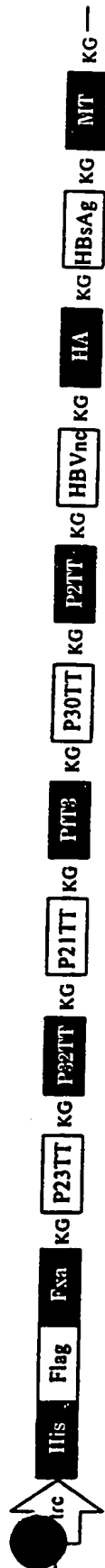


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FIG. 2(CONTD.)

N10



ATG GGG GGT TCT CAT CAT CAT CAT GGT ATG GGT AGC ATG GAT TAC AAG GAC GAC GAT GAT ATC GAA GGT CGC
Met Gly Gly Ser His His His His His Gly Met Ala Ser Met Asp Tyr Lys Asp Asp Asp Ile Glu Gly Arg

AAA GGT GTT TCC ATC GAC AAA TTC CGT ATC TTC TGC AAA GGT AAC CCG AAA AAA GGT CTG AAA TTC ATC ATC AAA CGT
Lys Gly Val Ser Ile Asp Lys Phe Arg Ile Phe Cys Lys Ala Asn Pro Lys Lys Gly Leu Lys Phe Ile Ile Lys Arg

TAC ACC CCG AAC AAC GAA ATC GAC TCC AAA GGT ATC CGT GAA GAC AAC AAC ATC ACC CTG AAA CTG GAC CGT TGC AAC
Tyr Thr Pro Asn Asn Glu Ile Asp Ser Lys Gly Ile Arg Glu Asp Asn Asn Ile Thr Leu Lys Leu Asp Arg Cys Asn

AAC AAA GGT GAA AAG AAG ATC GCT AAA ATG GAA AAA GCT TCT TCT GTT TTC AAC GTT GTT AAC TCT AAA GGT TTC AAC
Asn Lys Lys Glu Lys Lys Ile Ala Lys Met Glu Lys Ala Ser Ser Val Phe Asn Val Val Asn Ser Lys Gly Phe Asn

AAC TTC ACC GTT TCC TTC TGG CTG CGT GTT CCG AAA GTT TCC GCT TCC CAC CTG GAA AAA GGT CAG TAC ATC AAA GCT
Asn Phe Thr Val Ser Phe Trp Leu Arg Val Pro Lys Val Ser Ala Ser His Leu Glu Lys Gly Gln Tyr Ile Lys Ala

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CONTINUED

AAC TCC AAA TTC ATC GGT ATC ACC GAA AAA GGT GGA TCT CCG CAT CAT ACC GCG CTG CCG CAG GCG ATT CTG TGC TGG
Gln Ser Lys Phe Ile Gly Ile Thr Glu Lys Gly Gly Ser Pro His His Thr Ala Leu Arg Gln Ala Ile Leu Cys Trp

GGC GAA CTG ATG ACC CTG GCG AAA GGA TCT CCG AAA TAT GTG AAA CAG AAC ACC CTG AAA CTG GCG ACC AAA GGA TCG
Gly Glu Leu Met Thr Leu Ala Lys Gly Ser Pro Lys Tyr Val Lys Gln Asn Thr Leu Lys Leu Ala Thr Lys Gly Ser

TTT TTT CTG CTG ACC CGC ATT CTG ACC ATT CCG CAG TCT CTG GAT AAA GGC TAT TCT GGC CCG CTG AAA GCG GAA ATT
Phe Phe Leu Leu Thr Arg Ile Leu Thr Ile Pro Gln Ser Leu Asp Lys Gly Tyr Ser Gly Pro Leu Lys Ala Glu Ile

GCG CAG CGC CTG GAA GAT GTG AAA GGA TCCTAA
Ala Gln Arg Leu Glu Asp Val Lys Gly Ser End

FIG. 2(Contd.)

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FIG. 4

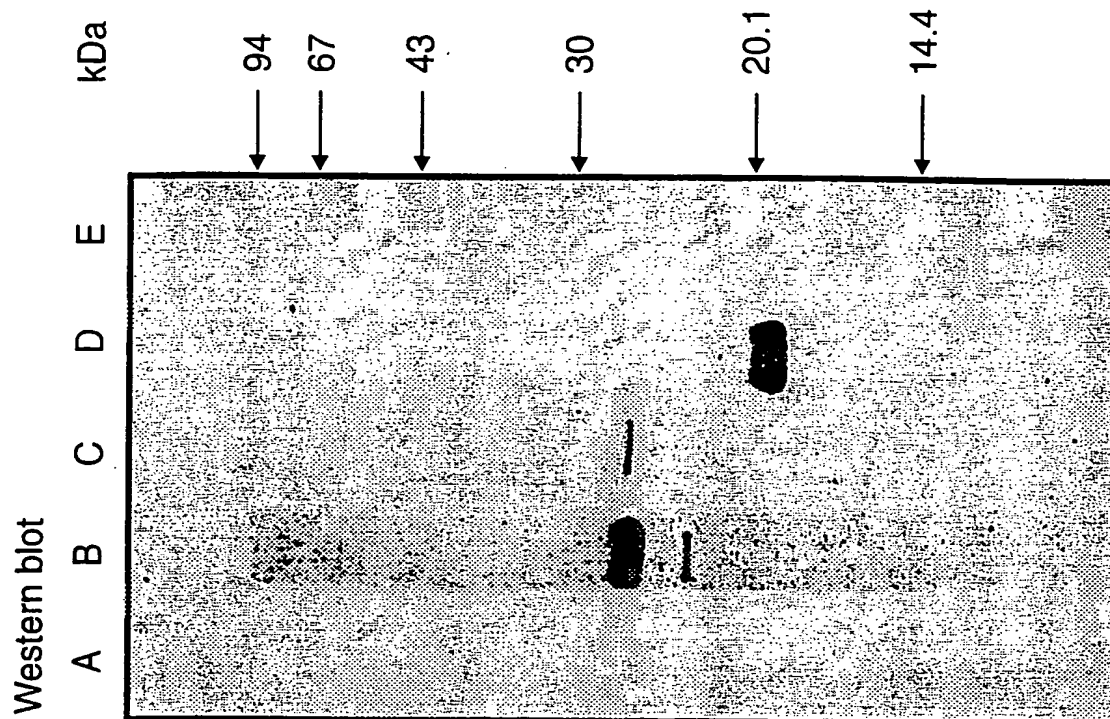
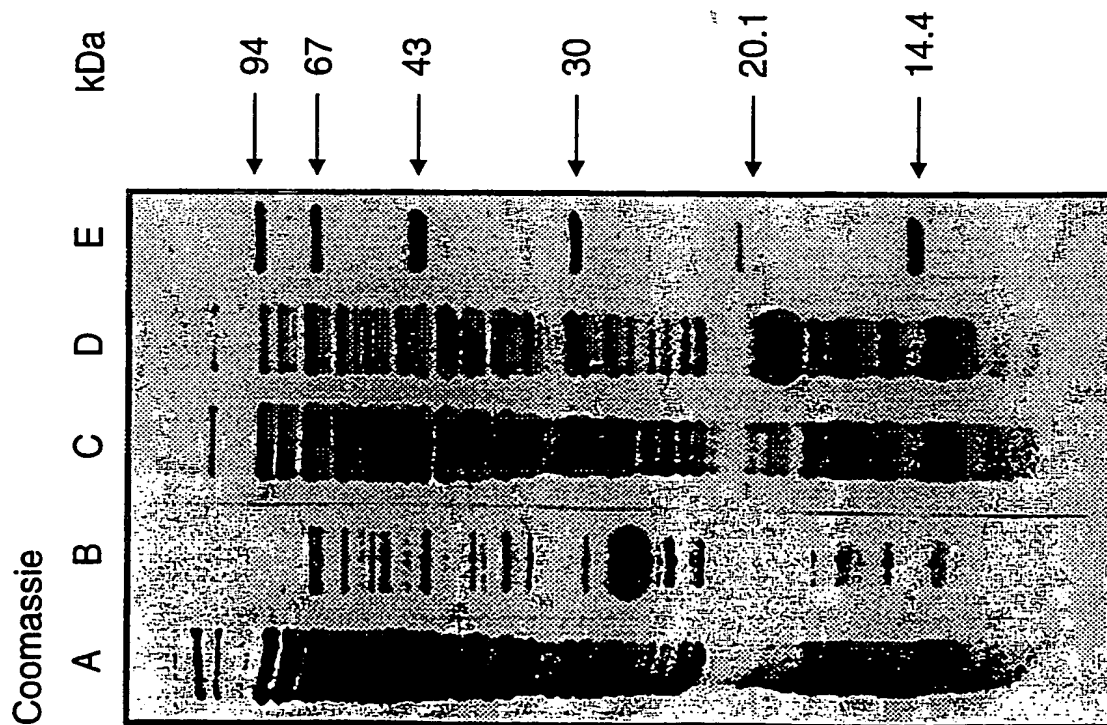


FIG. 3



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FIG. 6

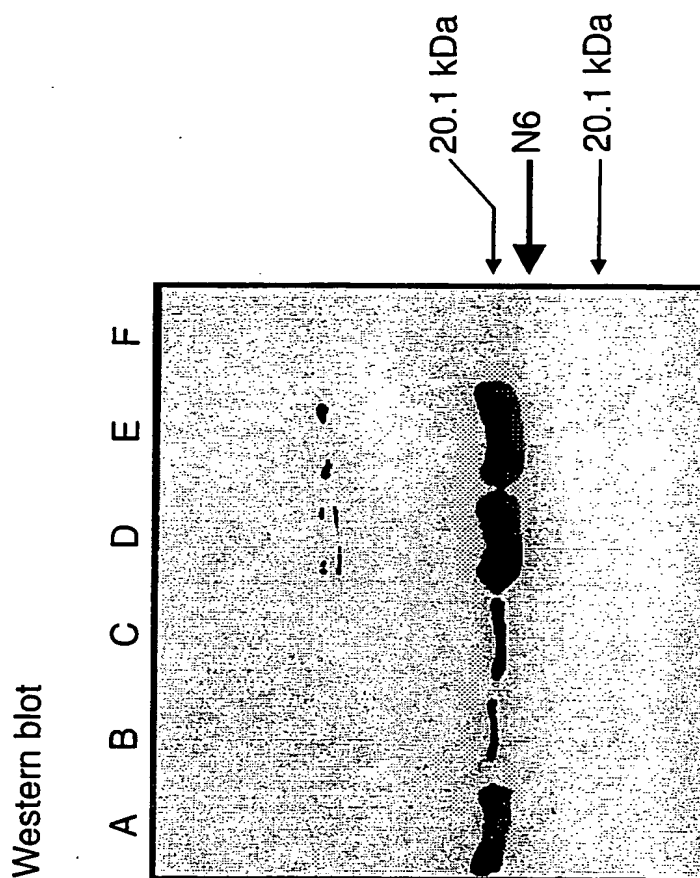
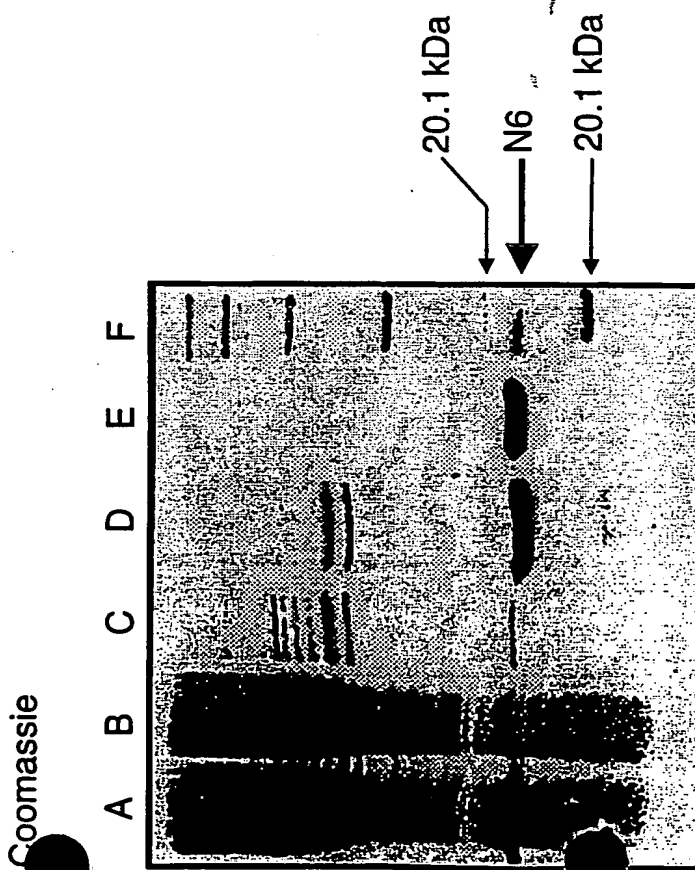


FIG. 5

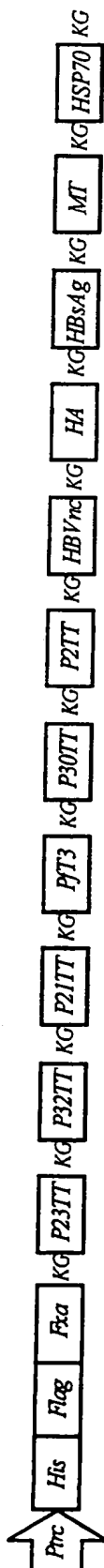


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FIG. 7

N11



ATG GGG GGT TCT CAT CAT CAT CAT GGT ATG GCT AGC ATG GAT TAC AAG GAC GAC GAT GAT ATC GAA GGT CGG
 MET GLY GLY SER HIS HIS HIS HIS HIS HIS GLY MET ALA SER MET ASP TYR LYS ASP ASP ASP ASP ILE GLU GLY ARG

AAA GGT GTT TCC ATC GAC AAA TTC CGT ATC TTC TGC AAA GCT AAC CCG AAA AAA GGT CTG AAA TTC ATC ATC AAA CGT
 LYS GLY VAL SER ILE ASP LYS PHE ARG ILE PHE CYS LYS ALA ASN PRO LYS LYS GLY LEU LYS PHE ILE ILE LYS ARG

TAC ACC CCG AAC AAC GAA ATC GAC TCC AAA GGT ATC GGT AAC AAC ATC ACC CTG AAA CTG GAC CGT TGC AAC
 TYR THR PRO ASN ASN GLU ILE ASP SER LYS GLY ILE ARG GLU ASP ASN ASN ILE THR LEU LYS LEU ASP ARG CYS ASN

AAC AAA GGT GAA AAG AAG ATC GCT AAA ATG GAA AAA GCT TCT TCT TTC AAC GTT AAC TCT AAA GGT TTC AAC
 ASN LYS GLY GLU LYS LYS ILE ALA LYS MET GLU LYS ALA SER SER VAL PHE ASN VAL ASN SER LYS GLY PHE ASN

C TTC ACC GTT TCC TTC TGG CTG GTT CCG AAA GTT TCC GCT TCC CAC CTG GAA AAA GGT CAG TAC ATC AAA GCT
 ASN PHE THR VAL SER PHE TRP LEU ARG VAL PRO LYS VAL SER ALA SER HIS LEU GLU LYS GLY GLN TYR ILE LYS ALA

AAC TCC AAA TTC ATC GGT ATC ACC GAA AAA GGT GGA TCT CCG CAT CAT ACC GCG CTG CGC CAG GCG ATT CTG TGC TGG
 GLN SER LYS PHE ILE GLY ILE THR GLU LYS GLY GLY SER PRO HIS THR ALA LEU ARG GLN ALA ILE LEU CYS TRP

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GGC GAA CTG ATG ACC CTG GCG AAA GGA TCT CCG AAA TAT GTG AAA CAG AAC ACC CTG AAA CTG GCG ACC AAA GGA TCG
 GLY GLU LEU MET THR LEU ALA LYS GLY SER PRO LYS TYR VAL LYS GLN ASN THR LEU LYS LEU ALA THR LYS GLY SER
 TTT TTT CTG CTG ACC CGC ATT CTG ACC ATT CCG CAG TCT CTG GAT AAA GGC TAT TCT GGC CCG CTG AAA GCG GAA ATT
 PHE PHE LEU LEU THR ARG ILE LEU THR ILE PRO GLN SER LEU ASP LYS GLY TYR SER GLY PRO LEU LYS ALA GLU ILE
 GCG CAG CGC CTG GAA GAT GTG AAA GGA TCT CAG CCG TCT GTT CAG ATT CAG GTG TAT CAG GGT GAA CGT GAA ATC GCA
 ALA GLN ARG LEU GLU ASP VAL LYS GLY SER GLN PRO SER VAL GLN ILE GLN VAL TYR GLN GLY GLU ARG GLU ILE ALA
 TCT CAT AAC AAA GGA TCC TAA
 SER HIS ASN LYS GLY SER END

FIG. 7(CONTD.)

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FIG. 8



ATG GGG GGT TCT CAT CAT CAT CAT CAT GGT ATG GCT AGC ATG GAT TAC AAG GAC GAC GAT GAT ATC GAA GGT CGC
 MET GLY SER HIS HIS HIS HIS HIS GLY MET MET ALA SER MET ASP TYR LYS ASP ASP ASP ASP ILE GLU GLY ARG

AAA GGT GTT TCC ATC GAC AAA TTC TGC AAA GCT AAC CCG AAA AAA GGT CTG AAA TTC ATC ATC AAA CGT
 LYS GLY VAL SER ILE ASP LYS PHE ARG ILE PHE CYS LYS ALA ASN PRO LYS LYS GLY LEU LYS PHE ILE ILE LYS ARG

TAC ACC CCG AAC AAC AAC GAA ATC GAC TCC AAA GGT ATC CGT GAA GAC AAC AAC ATC ACC CTG AAA CTG GAC CGT TGC AAC
 TYR THR PRO ASN ASN GLU ILE ASP SER LYS GLY ILE ARG GLU ASP ASN ASN ILE THR LEU LYS LEU ASP ARG`CYS ASN

ASN LYS GLY GLU LYS LYS ILE ALA LYS MET GLU LYS ALA SER SER VAL PHE ASN VAL AAC GGT TCT TTC AAC GTT AAC GGT TCT AAC
AAC AAA GGT GAA AAG AAG ATC GCT AAA ATG GAA AAA GCT TCT TCT GGT AAC GGT AAC GGT TCT AAC GGT TCT AAC

AAAC TTC ACC GTT TCC TTC TGG CTG CGT GTT CCG AAA AAA GTT TCC GCT TCC CAC GAA AAA GGT CAG TAC ATC AAA GCT
 ASN PHE THR VAL SER PHE TRP LEU ARG VAL PRO LYS VAL SER ALA SER HIS LEU GLU LYS GLY GLN TYR ILE LYS ALA

AAC TCC AAA TTC ATC GGT ATC ACC GAA AAA GGT GGA TCT CCG CAT CAT ACC GCG CTG CCG CAG GCG ATT CTG TGC TGG
 GLN SER LYS PHE ILE GLY ILE THR GLU **LYS** GLY GLY SER PRO HIS HIS THR ALA LEU ARG GLN ALA ILE LEU CYS TR

GGC GAA CTG ATG ACC CTG GCG AAA GGA TCT CCG AAA TAT GTG AAA CAG AAC ACC CTG AAA CTG GCG ACC AAA GGA TCG
GLY GLU LEU MET THR LEU ALA **LYS GLY** SER PRO LYS TYR VAL LYS GLN ASN THR LEU LYS LEU ALA THR **LYS GLY** SER

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TTT TTT CTG ACC CGC ATT CTG ACC ATT CCG CAG TCT CTG GAT AAA GGC TAT TCT GGC CCG CTG AAA GCG GAA ATT
PHE PHE LEU LEU THR ARG ILE LEU THR ILE PRO GLN SER LEU ASP LYS GLY TYR SER GLY PRO LEU LYS ALA GLU ILE

GCG CAG CGC CTG GAA GAT GTG AAA GGA TCT GTT TCC ATC GAC AAA TTC CGT ATC TTC TGC AAA GCT AAC CCG AAA AAA
ALA GLN ARG LEU GLU ASP VAL LYS GLY SER VAL SER ILE ASP LYS PHE ARG ILE PHE CYS LYS ALA ASN PRO LYS LYS

GT CTG AAA TTC ATC ATC AAA CGT TAC ACC CCG AAC AAC GAA ATC GAC TCC AAA GGT ATC CGT GAA GAC AAC AAC ATC
LY LEU LYS PHE ILE ILE LYS ARG TYR THR PRO ASN ASN GLU ILE ASP SER LYS GLY ILE ARG GLU ASP ASN ASN ILE

ACC CTG AAA CTG GAC CGT TGC AAC AAC AAA GGT GAA AAG AAG ATC GCT AAA ATG GAA AAA GCT TCT TCT GTT TTC AAC
THR LEU LYS LEU ASP ARG CYS ASN ASN LYS GLY GLU LYS LYS ILE ALA LYS MET GLU LYS ALA SER SER VAL PHE ASN

GTT GTT AAC TCT AAA GGT TTC AAC AAC TTC ACC GTT TCC TTC TGG CTG CGT GTT CCG AAA GTT TCC GCT TCC CAC CTG
VAL VAL ASN SER LYS GLY PHE ASN ASN PHE THR VAL SER PHE TRP LEU ARG VAL PRO LYS VAL SER ALA SER HIS LEU

GAA AAA GGT CAG TAC ATC AAA GCT AAC TCC AAA TTC ATC GGT ATC ACC GAA AAA GGT GGA TCT CCG CAT CAT ACC GCG
GLU LYS GLY GLN TYR ILE LYS ALA GLN SER LYS PHE ILE GLY ILE THR GLU LYS GLY GLY SER PRO HIS HIS THR ALA

CGC CAG CGC ATT CTG TGC TGG GGC GAA CTG ATG ACC CTG GCG AAA GGA TCT CCG AAA TAT GTG AAA CAG AAC ACC
U ARG GLN ALA ILE LEU CYS TRP GLY GLU LEU MET THR LEU ALA LYS GLY SER PRO LYS TYR VAL LYS GLN ASN THR

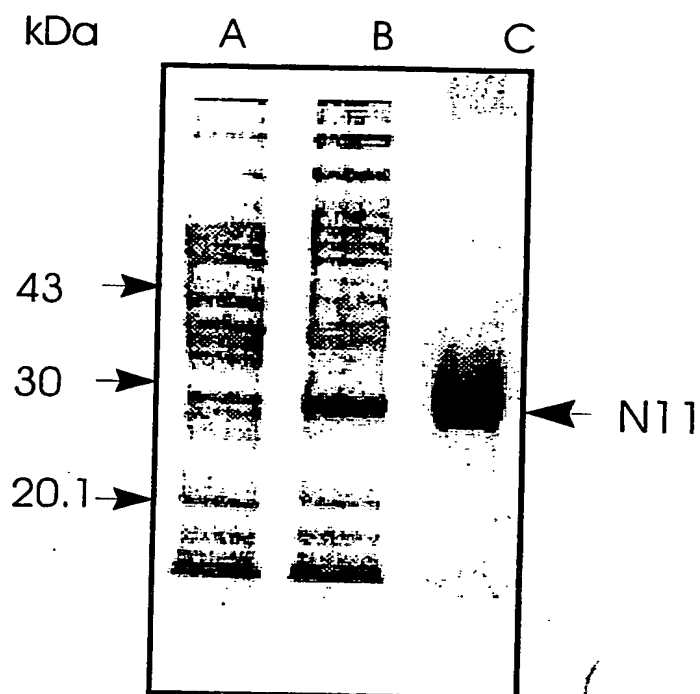
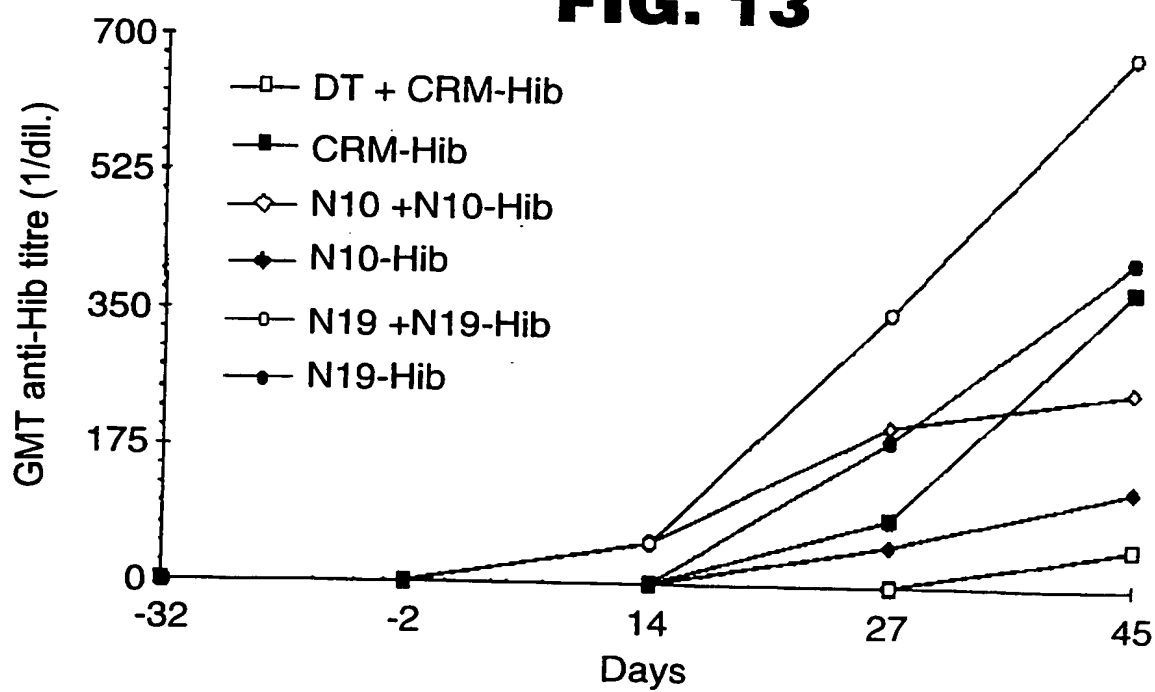
CTG AAA CTG GCG ACC AAA GGA TCG TTT TTT CTG CTG ACC CGC ATT CTG ACC ATT CCG CAG TCT CTG GAT AAA GGA TCC
LEU LYS LEU ALA THR LYS GLY SER PHE PHE LEU LEU THR ARG ILE LEU THR ILE PRO GLN SER LEU ASP LYS GLY SER

TAA
END

FIG. 8(CONTD.)

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FIG. 9**FIG. 13**

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FIG. 10A

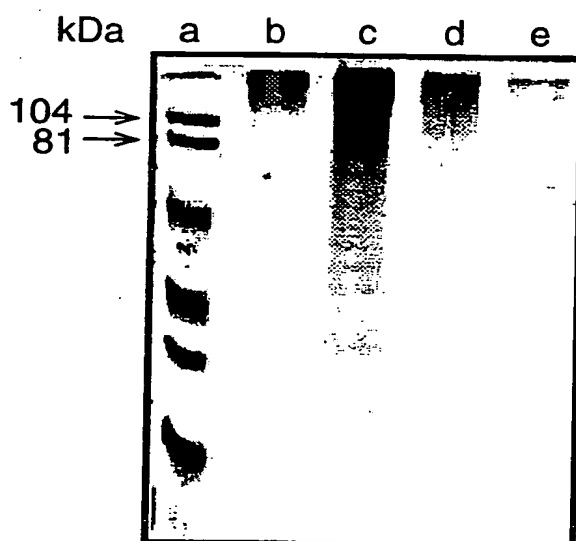
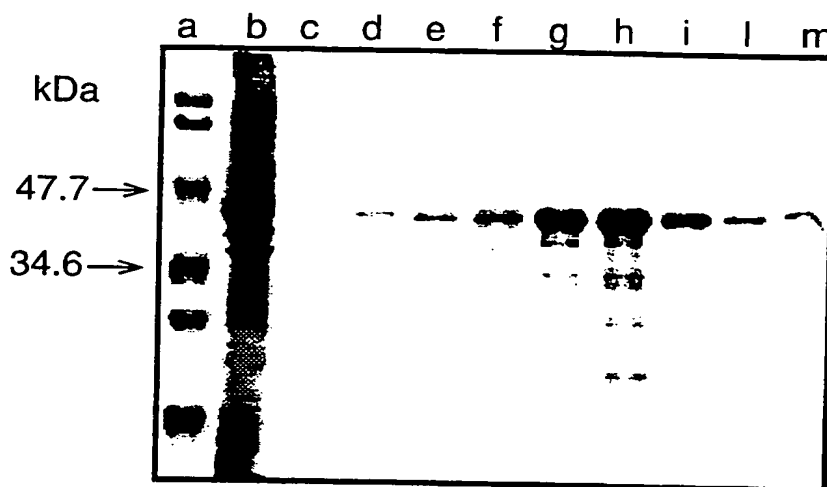
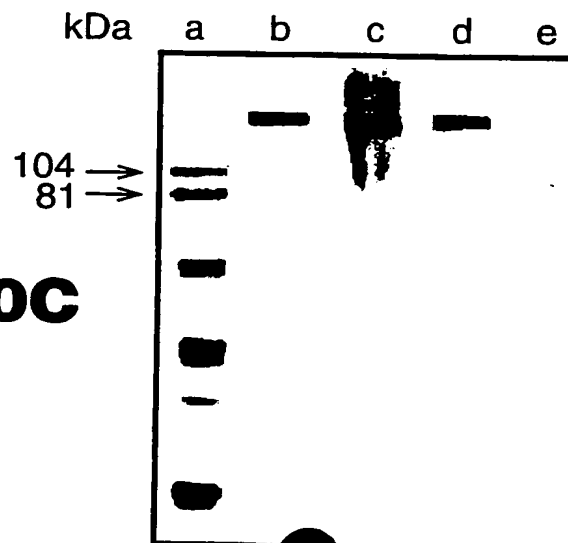


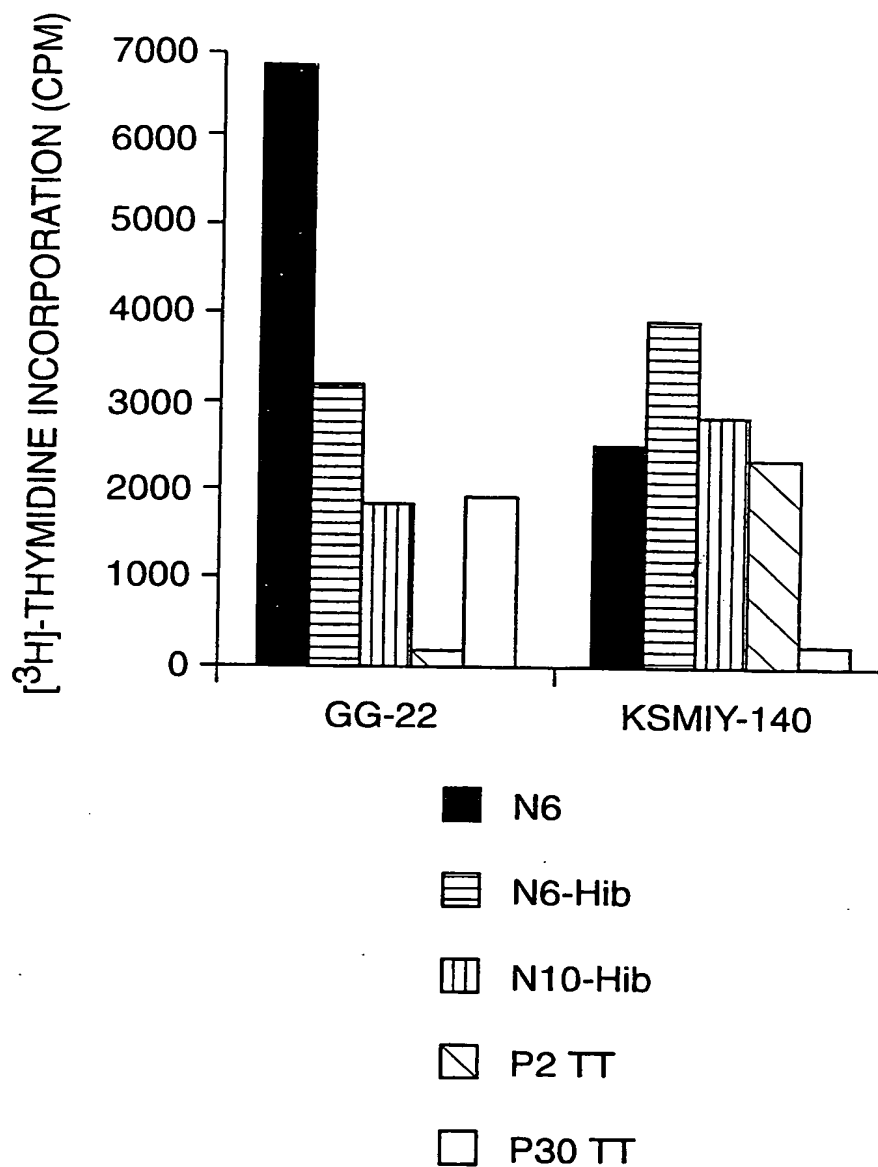
FIG. 10B

FIG. 10C



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FIG. 11

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FIG. 12

